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(54) Title: DIASTEREOERIC PEPTIDES USEFUL AS INHIBITORS OF MEMBRANE PROTEIN ASSEMBLY

(57) **Abstract:** The present invention relates to membrane binding diastereomeric peptides comprising amino acid sequences corresponding to a fragment of a transmembrane proteins, wherein at least two amino acid residues of the diastereomeric peptides being in a D-isomer configuration. The diastereomeric peptides are useful in inhibiting fusion membrane protein events, including specifically viral replication and transmission.